

Approved
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Abstract of the Disclosure

A system for use in programming and diagnostics of electronic devices (32) in a vehicle includes a connector jack (36) having a plurality of electrical connection sites configured for electrical connection to the electronic devices (32) in the vehicle. A shorting plug (38) configured to removably engage the connector jack (36) interconnects the plurality of electrical connection sites to form ~~[[the]]~~ a data communication bus ~~when the shorting plug (38) is engaged with the connector jack (36).~~ An electronics module (50) configured to removably engage the connector jack (36) in place of the shorting plug includes a plurality of switching units (56) that, when set in a closed state, electrically interconnect each of the electronic devices (32) to form the data communication bus. Each switching unit (56a,...,56g) in the electronics module (50) is ~~operable selectively and independently from the other switching units so that one or more of the switching units (56a,...,56g) may be set in an open state~~ operable to electrically disconnect an electronic device (32) from the data communication bus. ~~Methods for use in , especially for programming and diagnostics of the electronic devices (32) in [[a]] the vehicle include selectively setting one or more of the switching units (56) in an open state to electrically disconnect electronic devices from the data communication bus.~~